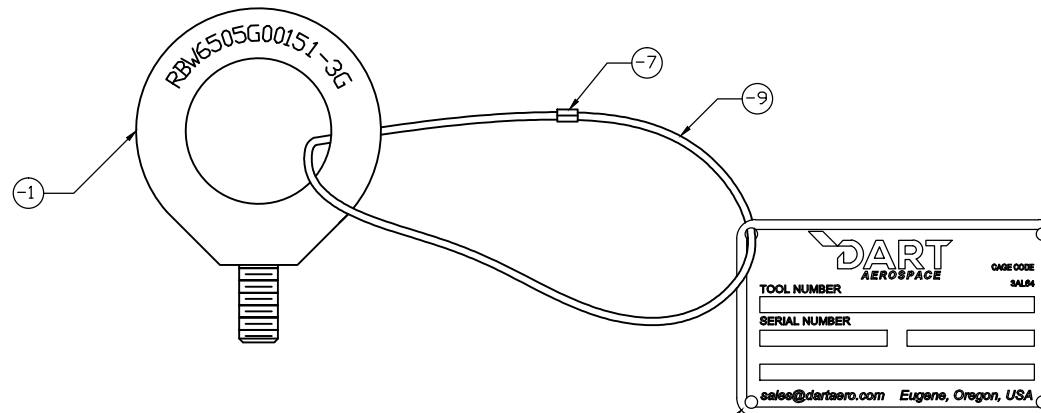


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D ENGRAVE NOTE -3 PER DW, CH'D -3 HEIGHT FROM 2.075 TO 2.027 PER GE.	4/8/11	RJC	
2	-3 AND -5 CORRECTED THREAD CALLOUT WAS 5/16-18 UNC IS 5/16-24 UNF.	4/8/14	RJC	RW



CH'D CUSTOMER SHEETS TO REV 3 W/
DART. WAITING FOR REV TO COME BACK
TO FINISH.

DAN 2/16/2015

NOTE:

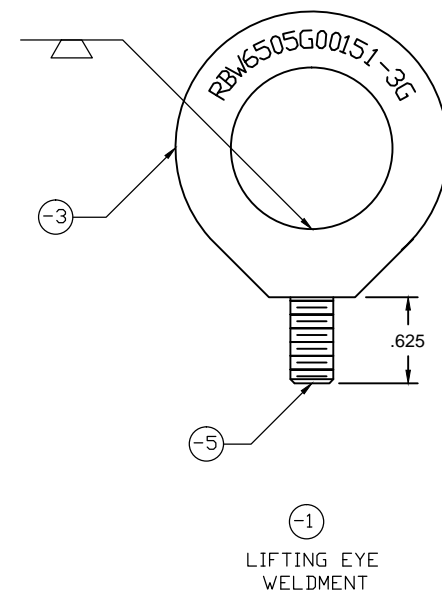
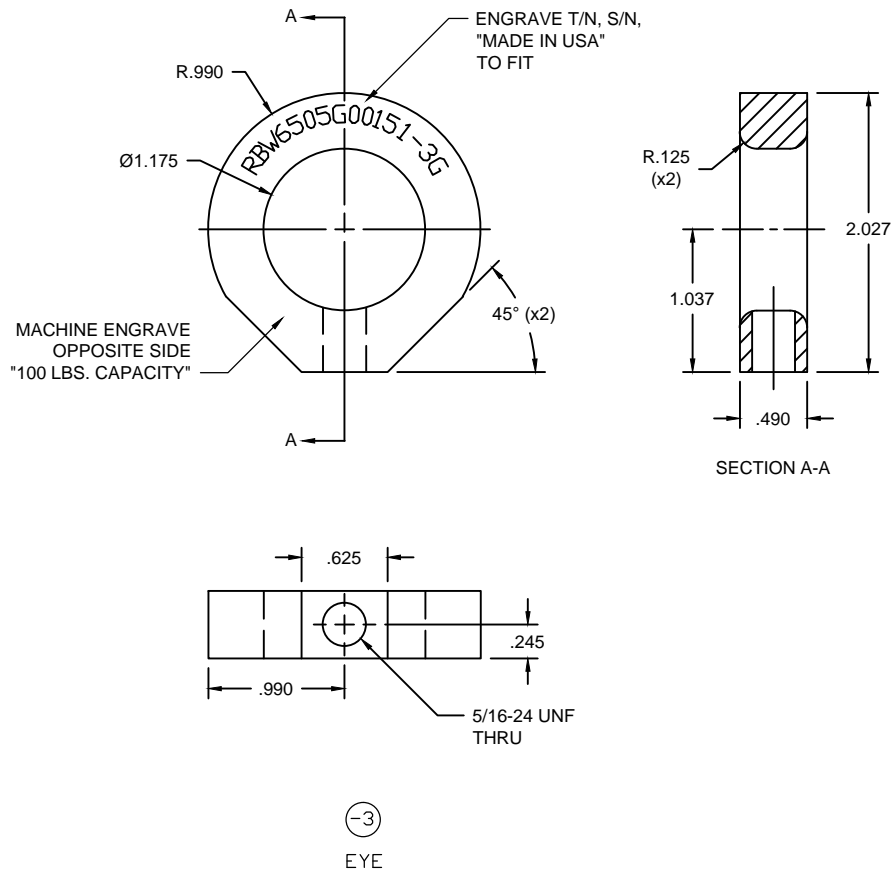
1. LIFTING EYE ASSY. 100 LBS. CAPACITY.
2. LOAD TEST AT 150 LBS. PER INSPECTION & TESTING PROCEDURES.

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
	1		-1	1	LIFTING EYE ASSY.			2
	1		-3		EYE	4140	1/2 x 2-1/8 x 2-1/4	2
	1	B/O	-5		SOCKET HEAD SET SCREW	STEEL	5/16-24 UNF x 1 MCMaster-CARR #91375A604	2
		B/O	-7	1	OVAL COMPRESSION SLEEVE	ALUMINUM	Ø1/16 x 3/8 MCMaster-CARR #3896T31	1
		B/O	-9	1	COATED LANYARD CABLE	GALV. STEEL	(7x7 CABLE) Ø1/16 x 6in. CARR LANE #CL-2-C-6.0in.	1
		B/O	-11	1	RED BARN PLACARD		RB41009	1
ASSY	-1							

DWG NO. RBW6505G00151-3G		REV 2
TITLE LIFT EYE T/R G/B		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: CLOUGH
TOLERANCES ON:		APPROVED <i>D Weil</i>
DECIMALS .XXX ± .005		HEAT TREAT
.XX ± .01		FINISH
.X ± .1		SPEC
FRACTIONS ± 1/32		
ANGLES ± 5°		
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL AW139
SCALE NTS	DATE 5/17/10	SHEET 1 of 4

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	CH'D ENGRAVE NOTE -3 PER DW, CH'D -3 HEIGHT FROM 2.075 TO 2.027 PER GE.	4/8/11	RJC	
2	-3 CORRECTED THREAD CALLOUT WAS 5/16-18 UNF IS 5/16-24 UNF.	4/8/14	RJC	RW

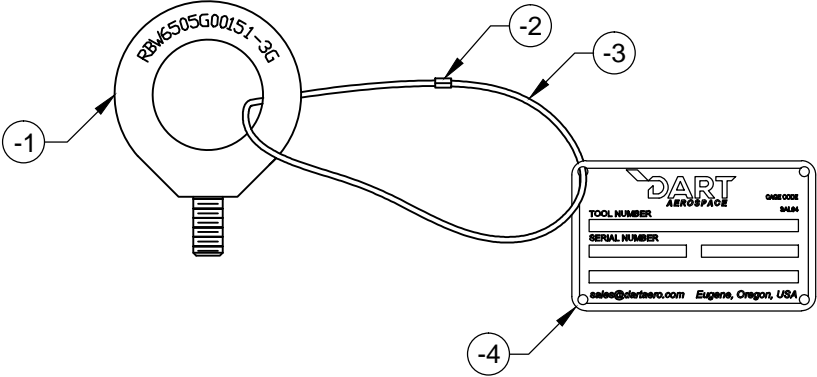


NOTES:

1. INSTALL SOCKET END OF SET SCREW-5 INTO -3 AND PLUG WELD.


RED BARN MACHINE	
TITLE LIFT EYE T/R G/B	
DWG NO. RBW6505G00151-3G	REV 2
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: CLOUGH	
APPROVED:	
HEAT TREAT	
FINISH POWDER COAT RED	
SPEC RAL 3020	
USED ON MODEL	
AW139	
SCALE NTS	DATE 5/17/10
SHEET 2 of 4	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.



ASSEMBLY

PART #	QTY	DESCRIPTION
-1	1	LIFTING EYE
-2	1	ALUMINUM FERRULE
-3	1	COATED LANYARD CABLE
-4	1	PLACARD

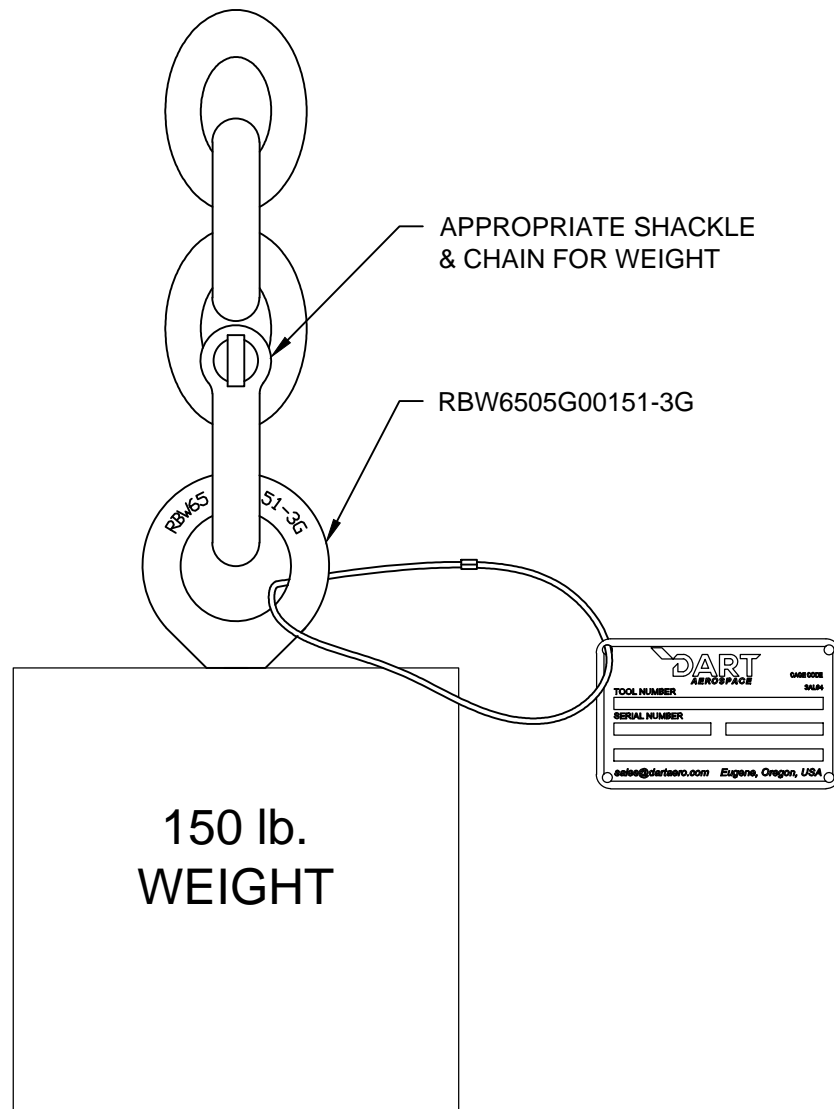


DART
AEROSPACE

190 South Danebo Ave Eugene, Oregon 97402
1-541-344-9953
e-mail: sales@dartaero.com
dartaerospace.com

TITLE		
LIFT EYE T/R G/B		
DWG NO.	REV	CUSTOMER
RBW6505G00151-3G	3	1 of 2
SCALE	DATE	SHEET
1:2	5/17/10	3 of 4

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.



INSPECTION & TESTING PROCEDURES FOR THE RBW6505G00151-3G LIFTING EYE ASSEMBLY. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE.
REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

91 DAY INSPECTIONS

1. CLEAN ENTIRE UNIT AND REMOVE CORROSION.
2. CHECK THE EYE FOR STRESS CRACKS, BENDING, OR DISTORTIONS.
3. CHECK SET SCREW FOR DAMAGED THREADS, STRESS CRACKS, STRETCHING OR DISTORTIONS.
4. REPAINT IF NECESSARY.

IF ANY OF THE ABOVE CONDITIONS EXIST, OR ARE SUSPECTED OF EXISTING. DO NOT USE THE TOOL UNTIL IT HAS BEEN REPAIRED AND TESTED OR REPLACED.

3 YEAR WEIGHT TESTING

1. AFTER INSPECTION, SECURELY FASTEN THE RBW6505G00151-3G LIFTING EYE ASSEMBLY TO THE APPROPRIATE SHACKLE & CHAIN FOR TESTING.
2. USING THE APPROPRIATE SHACKLES AND CHAINS (500 lb. MINIMUM PREFERRED), ATTACH THE LIFTING EYE TO A 150 lb. TESTING WEIGHT.
3. CAREFULLY LIFT THE ATTACHED ASSEMBLIES UNTIL THE TESTING WEIGHT IS APPROXIMATELY 1 FOOT OFF THE GROUND.
4. LEAVE THE WEIGHT SUSPENDED FOR 5 MINUTES. WHILE THE WEIGHT IS SUSPENDED CAREFULLY OBSERVE THE RBW6505G00151-3G LIFTING EYE ASSY. FOR ANY DEFLECTION AND DISTORTIONS.
5. AFTER 5 MINUTES, LOWER AND DISCONNECT THE TESTING WEIGHT, SHACKLES, AND CHAINS.
6. RE-INSPECT THE ENTIRE RBW6505G00151-3G LIFTING EYE ASSEMBLY.



190 South Danebo Ave Eugene, Oregon 97402
 1-541-344-9953
 e-mail: sales@dartaero.com
 dartaerospace.com

TITLE LIFT EYE T/R G/B			
DWG NO. RBW6505G00151-3G	REV 3	CUSTOMER 2 of 2	
SCALE 1:2	DATE 5/17/10	SHEET 4 of 4	